

## Purchase Order Receipt Listing

Monday, July 31, 2017 11:15:43 AM

All Vendors PO ID PO37171 All Receipt Dates All Line Item Types  
 All Item ID/GL/WOs All Rec. Employees All Currencies  
 Grouped by Vendor ID

All amounts are calculated in domestic currency.

Page 1 of 1

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
PO37171 CAD	1 No	VC-COP001	Thyssenkrupp Materials CA Ltd	M304S16GA sf m138175 304/316 Sheet .063 258.	DAS 5 9-89	7/27/2017 96.0000	7/31/2017 PLOU01	96.0000 \$377.74	\$3.93 \$377.74	0.0000 0.0000	0 0
	2 No			M304S20GA sf m138175 304/316 .040 Sheet 236	DAS 5 9-89	7/27/2017 96.0000	7/31/2017 PLOU01	96.0000 \$260.77	\$2.72 \$260.77	0.0000 0.0000	\$260.77 0
	3 No			— M6061T6B0.500X05. f 000 6061-T6 Bar .500 x f 5.00	DAS 5 9-89	7/27/2017 12.0000	7/31/2017 PLOU01	12.0000 \$7.32	\$7.32 0.0000	0.0000 0	\$87.85 0
	4 No			— M6061T6B4.500X4.5 f 00 6061-T6 AluminumBar 4.500" X 4.500"	DAS 5 9-89	7/27/2017 4.0000	7/31/2017 PLOU01	4.0000 \$254.30	\$63.57 0.0000	0.0000 0	\$254.30 0
	5 No			— M6061T6R0.563 6061-T6 ROUND BAR .563 m138175	DAS 5 9-89	7/27/2017 24.0000	7/31/2017 PLOU01	24.0000 \$64.73	\$2.70 \$64.73	0.0000 0.0000	\$64.73 0
	6 No			71401-45 PROCUREMENT QUALITY CLAUSES m138175		7/27/2017 1.0000	7/31/2017 PLOU01	\$0.00 \$0.00	\$0.00 0.0000	0.0000 0	\$0.00 0

Total Received Quantity: 233.0000  
 Total Qty to Inspect (PO U/M): 0.0000  
 Total Reject Quantity: 0.0000  
 Total Receipt Value: \$1,045.39  
 Total Balance Due Quantity: 0.0000

## B I L L O F L A D I N G

31 July  
No: PEC 56267  
Ship From: THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033  
Ship Date 25 Jul 17 at 12:07 From PFW  
Probill  
Via VIM DELIVERY  
FOB CONCORD  
Frt PREPAID  
Route 0-0 Manifest  
Vhicle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: (20115)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7  
Tel: 613-632-9577 Fax: 613-632-1053

Ship To: (1)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7  
Tel: 613-632-9577 Fax: 613-632-1053

## B I L L O F L A D I N G

1) Our Order PEC- 74611- 1 Your PO # 37171  
STAINLESS STEEL SHEET 304L-2B DUAL GRADE  
.0600 Nom X 48.0000" X 96.0000"

Heat Number DAS Tag No  
YU175175 5 673823

Quantity 96.00 SFT PCS 3 Wt LBS 230

2) Our Order PEC- 74611- 2 Your PO # 37171  
STAINLESS STEEL SHEET 304-2B  
.0360 Nom X 48.0000" X 96.0000"

Heat Number DAS Tag No  
AOA010-AAD 5 673824

Quantity 96.00 SFT PCS 3 Wt LBS 137

3) Our Order PEC- 74611- 3 Your PO # 37171  
ALUMINUM FLAT BAR 6061-T6511  
.50" x 5.00" X 144.0000"

Heat Number DAS Tag No  
201709163 5 673709

Quantity 12 FT PCS 1 Wt LBS 36

4) Our Order PEC- 74611- 4 Your PO # 37171  
ALUMINUM SQUARE BAR 6061-T6511  
4.50" X 48.0000"

Heat Number DAS Tag No  
Z00781015 5 673629

Quantity 4 FT PCS 1 Wt LBS 95

5) Our Order PEC- 74611- 5 Your PO # 37171  
ALUMINUM ROUND BAR 6061-T6511  
.562" DIA X 144.0000"

Heat Number DAS Tag No  
183339-7 5 673710

Quantity 24 FT PCS 2 Wt LBS 8

Page: 1 ....Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY  
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Sept 31

## B I L L O F L A D I N G

31 July  
 No: PEC 56267  
 Ship From: THYSSENKRUPP MATERIALS NA  
 2821 LANGSTAFF ROAD  
 CONCORD, ONTARIO L4K 5C6  
 Tel: 905 669 9444 Fax: 905-738-9033  
 Ship Date 25Jul17 at 12:07 From PFW  
 Probill  
 Via VIM DELIVERY  
 FOB CONCORD  
 Frt PREPAID  
 Route 0- 0 Manifest  
 Vhicle Trailer  
 Slp STAN IVERS (905-532-1350)  
 Sold To: ( 20115)  
 DART AEROSPACE

Ship To: ( 1)  
 DART AEROSPACE

## B I L L O F L A D I N G

	Tags	PCS	LBS
TOTAL:	5	10	506

Heat Number  
 183339-7  
 201709163  
 AOA010-AAD  
 Z00781015

## \*\*\* Chemical Analysis \*\*\*

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
 TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*

\*\* REFERENCED ON IT \*\*

TOTAL 1 BDL, 2 SKIDS GW. 602 LBS

R-503 - R-119 15KIDS = 602 L

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA  
 CONCORD, ONT.\*      \*\*\* 9:00 AM TO 4:00 PM \*\*\*

\*\*\*\*\* TEL. 800-926-2600 \*\*\*\*\*

\*\*\*\*\* WE STOCK STAINLESS STEEL \*\*\*\*\*

\*\*\*\*\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*\*\*\*\*

\*\*\*\*\* PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE

ADDED TO EVERY ORDER.\*\*\*

\*\*\*\*\*

\*\*\*UNE SURCHARGE D'ENERGIE DE \$25.00

SERA AJOUTEE A CHAQUE COMMANDE.\*\*\*

\*\*\*POUR VOS BESOINS D'ACIER INOXYDABLE,

\*CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600\*

Page: 2 .... Last

ALUMINIUM - LAITON - CUIVRE - PLASIQUE - ACIER INOX  
 ALUMINIUM - BRASS - COPPER - PLASTIC - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO37171**

Purchase Order Date 7/21/2017  
PO Print Date 7/21/2017

Page Number 1 of 3

**Order From :** VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**E-MAILED**

**JUL 20 2017**

<b>Contact Name</b>		<b>Buyer</b>	Chantal Lavoie
<b>Vendor Phone</b>	905 669 9444	<b>Customer POID</b>	
<b>Ship To Contact</b>		<b>Customer Tax #</b>	10127-2607
<b>Ship To Phone</b>		<b>Terms</b>	Net 30
<b>Ship Via:</b>	VENDOR'S TRUCK	<b>Currency</b>	CAD
<b>Ship Acct:</b>		<b>FOB</b>	FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M304S16GA	304/316 Sheet .063	7/27/2017 Yes	96.00 sf		\$5.11	\$490.19
			7/27/2017				

PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNEALED

SPECIFICATION: MIL-S-5059

OR AMS 5513 (304)

OR AMS 5524 (316)

ORASTMA240

OR ASME SA240

34

2	M304S20GA	304/316 .040 Sheet	7/27/2017 Yes	96.00 sf	Line Total:	\$490.19
			7/27/2017			

PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNEALED

SPECIFICATION: MIL-S-5059

OR AMS 5513 (304)

OR AMS 5524 (316)

ORASTMA240

OR ASME SA240

34

80 P-731

**PO Instructions:** NO ST-74034

**Note:**



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO37171**

Purchase Order Date 7/21/2017

PO Print Date 7/21/2017

Page Number 2 of 3

**Order From :** VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**  
**Vendor Phone** 905 669 9444

**Buyer** Chantal Lavoie

**Ship To Contact**  
**Ship To Phone**  
**Ship Via:** VENDOR'S TRUCK  
**Ship Acct:**

**Customer POID**  
**Customer Tax #** 10127-2607  
**Terms** Net 30  
**Currency** CAD  
**FOB** FCA - (Free Carrier)

				<b>Line Total:</b>	
3	M6061T6B0.500X05.000	6061-T6 Bar .500 x 5.00	7/27/2017 Yes 7/27/2017	12.00 f	\$9.50 \$114.00

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

				<b>Line Total:</b>	
4	M6061T6B4.500X4.500	6061-T6 AluminumBar 4.500" X 4.500"	7/27/2017 No 7/27/2017	4.00 f	\$82.50 \$330.00

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

**Line Total:** \$330.00

**PO Instructions:** NO ST-74034

**Note:**



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

**Purchase Order ID** PO37171

**Purchase Order Date** 7/21/2017

PO Print Date 7/21/2017

Page Number 3 of 3

**Order From :** VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name** \_\_\_\_\_  
**Vendor Phone** 905 669 9444

<b>Buyer</b>	Chantal Lavoie
<b>Customer POID</b>	
<b>Customer Tax #</b>	10127-2607
<b>Terms</b>	Net 30
<b>Currency</b>	CAD
<b>FOB</b>	FCA – (Free C

Ship Acct: ✓ 6061-T6 ROUND BAR ✓ 7/27/2017 ✓ 24.00 ✓ \$3.50 \$84.00  
5 M6061T6R0.563 .563 Yes f ✓ 7/27/2017

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

					Line Total:	\$84.00
6	71401-45	PROCUREMENT QUALITY CLAUSES	7/27/2017	1.00	\$0.00	\$0.00
			No			
		Procurement Quality Clauses	7/27/2017			
		A005 right of entry				
		A012 chemical and physical test report				
		A016 personnel qualification				
		A017 raw material identification (as applicable)				
		A026 certification of material conformance				
		A041 quality management system				
		A042 dart notification by supplier				
		A043 retention of quality document				

**PO Instructions:** NO ST-74034

**Note:** Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

**Change Nbr:**

**Change Date:** 7/21/2017

## Q U O T A T I O N

NO: PEC ST-74034

Quoted By:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

Quoted To: ( 20115)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

Quoted Ship To: ( 1 )  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS Qtd 20Jul17 Qte Ref  
Frt PREPAID Via  
Tel 613-632-9577 Fax 613-632-1053 Ctc CHANTAL  
Slp STAN IVERS (905-532-1350)

1	STAINLESS STEEL SHEET 304L-2B DUAL GRADE .0600 Nom X 48.0000" X 96.0000"	3 PCS	241	LBS
	MATERIAL	3 PCS @ 163.3967 EA	490.19	
	ENERGY & CAP SURCHG	25.0000 LOT	25.00	
	SKID	25.0000 LOT	25.00	
2	STAINLESS STEEL SHEET 304-2B .0360 Nom X 48.0000" X 96.0000"	3 PCS	144	LBS
	MATERIAL	3 PCS @ 112.8000 EA	338.40	
3	ALUMINUM FLAT BAR 6061-T6511 .375" x 1.00" X 144.0000"	2 PCS	11	LBS
	MATERIAL	24 FT @ 4.5833 FT	24	FT
			110.00	
4	ALUMINUM FLAT BAR 6061-T6511 .50" x 5.00" X 144.0000"	1 PCS	36	LBS
	MATERIAL	12 FT @ 9.5000 FT	12	FT
			114.00	
5	ALUMINUM FLAT BAR 6061-T6511 .750" x 2.00" X 144.0000"	1 PCS	22	LBS
	MATERIAL	12 FT @ 6.6000 FT	12	FT
			79.20	
6	ALUMINUM FLAT BAR 6061-T6511 1.00" x 2.00" X 144.0000"	2 PCS	58	LBS
	MATERIAL	24 FT @ 7.2500 FT	24	FT
			174.00	
7	ALUMINUM SQUARE BAR 6061-T6511 1.50" X 144.0000"	1 PCS	32	LBS
	MATERIAL	12 FT @ 8.0000 FT	12	FT
			96.00	
8	ALUMINUM FLAT BAR 6061-T6511 1.50" x 2.50" X 144.0000"	1 PCS	53	LBS
	MATERIAL	12 FT @ 13.2500 FT	12	FT
			159.00	

## Q U O T A T I O N

No: PEC ST-74034

Quoted By:

THYSSENKRUPP MATERIALS NA  
 2821 LANGSTAFF ROAD  
 CONCORD, ONTARIO L4K 5C6  
 Tel: 905 669 9444 Fax: 905-738-9033

Quoted To: ( 20115)  
 DART AEROSPACE

Quoted Ship To: ( 1)  
 DART AEROSPACE

## Q U O T A T I O N

QT No: PEC ST-74034

9 ALUMINUM SQUARE BAR 6061-T6511 4.50" X 48.0000"	1 PCS	99 LBS 4 FT
<<<----- SPECIFICATIONS ----->>>		
Ga Tol + 0.0000 - 0.0000 Pc/Tag	1	
WthTol + 0.0000 - 0.0000 Wt/Skd		
LthTol + 0.1250 - 0.0000 Ty	Pk	
MATERIAL	4 FT @ 82.5000 FT	330.00
10 ALUMINUM ROUND BAR 6061-T6511 .562" DIA X 144.0000"	2 PCS	7 LBS 24 FT
MATERIAL	24 FT @ 3.5000 FT	84.00
11 ALUMINUM ROUND BAR 6061-T6511 1.00" DIA X 144.0000"	1 PCS	11 LBS 12 FT
MATERIAL	12 FT @ 4.8500 FT	58.20
12 ALUMINUM SHEET 6061 T6 .0400 Nom X 48.0000" X 144.0000" Part No * NO STOCK	2 PCS	54 LBS
MATERIAL	54 LBS @	LBS
13 ALUMINUM SHEET 6061 T6 .0810 Nom X 48.0000" X 144.0000"	2 PCS	109 LBS
MATERIAL	2 PCS @ 174.9700 EA	349.94
14 STAINLESS STEEL FLAT BAR 304-L HRAP .50" X 2.50" X 144.0000" Part No * NO STOCK	2 PCS	102 LBS
MATERIAL	102 LBS @	LBS

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
 TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*

\*\* REFERENCED ON IT \*\*

Price in effect at time of shipment.

Price based on receipt of total order.

All weights are theoretical.

All orders are subject to credit approval.

\*\*\*\* TEL. 800-926-2600 \*\*\*\*

\*\*\* CUSTOMER PICK-UP HOURS \*\*\*

\*\*\* 9:00 AM TO 4:00 PM \*\*\*

\*\*\*\*\*

## Q U O T A T I O N

No: PEC ST-74034

Quoted By:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

Quoted To: ( 20115)  
DART AEROSPACE

Quoted Ship To: ( 1)  
DART AEROSPACE

## Q U O T A T I O N

QT No: PEC ST-74034

\* WE STOCK STAINLESS STEEL!!!! \*  
\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*  
\*\*\*\*\*  
\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
ADDED TO EVERY ORDER.\*\*\*  
\*\*\*\*\*  
\*FOR OUR FULL SALES TERMS AND CONDITIONS, PLEASE  
\*VISIT OUR WEBSITE: [www.copperandbrass.com](http://www.copperandbrass.com)  
\*\*\*\*\*  
NO CANCELLATIONS ON PROCESSED MATERIAL.  
\*\*\*\*\*

Order Totals: 14 Items 979 LBS

Material	Processing	Freight	Other	Taxes	ORDER AMT
2,382.93			50.00	316.28	2,749.21
Taxes: ONHSTS	316.28	0.00		0.00	0.00

21Jul17 10:13        S A L E S    A C K N O W L E D G M E N T        No: PEC ST-74611  
Sold By:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

Sold To: ( 20115)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

Ship To: ( 1)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS        Ord 21Jul17 Due 24Jul17  
Frt PREPAID        Via VIM DELIVERY        FOB CONCORD  
Con 96294        PO/Rel 37171  
Slp STAN IVERS (905-532-1350)        Tel 613-632-9577 Fax 613-632-1053

=====  
S A L E S    A C K N O W L E D G M E N T        SO No PEC ST-74611

Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice

1 STAINLESS STEEL SHEET 304L-2B DUAL GRADE .0600 Nom X 48.0000" X 96.0000"	3 PCS	241 LBS	
MATERIAL	3 PCS @	163.3967 EA	490.19
ENERGY & CAP SURCHG		25.0000 LOT	25.00
SKID		25.0000 LOT	25.00
2 STAINLESS STEEL SHEET 304-2B .0360 Nom X 48.0000" X 96.0000"	3 PCS	144 LBS	
MATERIAL	3 PCS @	112.8000 EA	338.40
3 ALUMINUM FLAT BAR 6061-T6511 .50" x 5.00" X 144.0000"	1 PCS	36 LBS	
MATERIAL	12 FT @	9.5000 FT	12 FT
4 ALUMINUM SQUARE BAR 6061-T6511 4.50" X 48.0000"	1 PCS	99 LBS	
<<<----- SPECIFICATIONS ----->>>			
Ga Tol + 0.0000 - 0.0000 Pc/Tag	1		
WthTol + 0.0000 - 0.0000 Wt/Skd			
LthTol + 0.1250 - 0.0000 Ty	Pk		
MATERIAL	4 FT @	82.5000 FT	330.00
5 ALUMINUM ROUND BAR 6061-T6511 .562" DIA X 144.0000"	2 PCS	7 LBS	
MATERIAL	24 FT @	3.5000 FT	24 FT
			84.00

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*

\*\* REFERENCED ON IT \*\*

\*\* CUSTOMER PICK-UP HRS / 9:00 AM TO 4:00 PM \*\*

\*\*\* TEL. 800-926-2600 \*\*\*

\*\*\*\*\*

\* WE STOCK STAINLESS STEEL!!!! \*

\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*

21Jul17 10:13        S A L E S    A C K N O W L E D G M E N T        No: PEC ST-74611  
Sold By:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

Sold To: ( 20115)  
DART AEROSPACE

Ship To: ( 1)  
DART AEROSPACE

=====  
S A L E S    A C K N O W L E D G M E N T    SO No PEC ST-74611  
Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice  
\*\*\*\*\*

\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
ADDED TO EVERY ORDER.\*\*\*  
\*\*\*\*\*  
\*FOR OUR FULL SALES TERMS AND CONDITIONS, PLEASE  
\*VISIT OUR WEBSITE: [www.copperandbrass.com](http://www.copperandbrass.com)  
\*\*\*\*\*  
NO CANCELLATIONS ON PROCESSED MATERIAL.  
\*\*\*\*\*

			Order Totals:	5 Items	527 LBS
Material	Processing	Freight	Other	Taxes	ORDER AMT
1,356.59			50.00	182.85	1,589.44
*****					
Taxes: ONHSTS		182.85			

# THYSSSENKRUPP MATERIALS NA

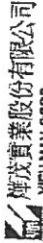
PORel 37171

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

## Certificate of Mill Test Results

24Jan11  
BL PEC-056267-001  
Pg 1/1

## INSPECTION CERTIFICATE



YEH MAU CORP.

ITEM#13-17867-8968-1

PRIMARY COATED ROLLED STAINLESS STEEL SHEETS,  
COUNTRY :  
ASTM 304 304L 2B FINISH  
AISI 304 304L

TA CHEN STAINLESS PIPE CO., LTD.

SIZE	NO. of Project	Weight in KG	Heat No.	ID No.	Physical Properties						Chemical Properties (%)						
					Y.S. PSI	T.S. PSI	E.L. PSI	H.R.B. IV	C x 100	S x 100	Mn x 100	P x 100	S x 100	Ni x 100	Cr x 100	N x 100	
11GA(3.0MM)X48"X 96"	1	1880	YU175318	385279958-15	46545	89465	54	84	167	2.8	42	147	35	9	806	1826	3.7
11GA(3.0MM)X48"X 96"	1	1882	YU175318	385279964-11	47580	89510	54	84	167	2.8	42	147	35	9	806	1826	3.7
11GA(3.0MM)X48"X 96"	1	1882	YU175318	385279964-12	47560	89510	54	84	167	2.8	42	147	35	9	806	1826	3.7
11GA(3.0MM)X48"X 96"	1	1882	YU175318	385279964-13	47560	89510	54	84	167	2.8	42	147	35	9	806	1826	3.7
11GA(3.0MM)X48"X 96"	1	1882	YU175318	385279964-14	47580	89510	54	84	167	2.8	42	147	35	9	806	1826	3.7
11GA(3.0MM)X48"X 96"	1	1882	YU175318	385279964-15	47580	89510	54	84	167	2.8	42	147	35	9	806	1826	3.7
11GA(3.0MM)X48"X 96"	1	1882	YU175318	385279965-11	47560	89510	54	84	167	2.8	42	147	35	9	806	1826	3.7
11GA(3.0MM)X48"X 96"	1	1882	YU175318	385279965-12	47560	89510	53	86	175	1.8	49	85	31	1	804	1814	5.4
11GA(3.0MM)X48"X 96"	1	1310	12486103	385279821B-15	44950	96280	55	86	175	2.7	44	122	38	9	806	1810	4.3
11GA(3.0MM)X48"X 96"	1	1774	YU175295	385279821B-13	46110	93270	55	86	175	2.7	44	122	38	9	806	1810	4.3
11GA(3.0MM)X48"X 96"	1	1869	YU175294	385279823B-2	47160	91205	54	81	157	2.7	43	126	40	14	800	1820	3.5
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-2	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-3	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-4	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-5	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-6	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-7	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-8	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-9	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-10	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-11	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-12	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-13	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-14	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-15	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-16	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-17	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-18	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-19	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-20	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-21	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-22	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-23	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-24	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-25	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-26	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-27	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-28	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-29	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-30	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-31	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-32	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-33	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-34	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-35	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-36	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-37	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-38	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-39	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-40	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-41	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-42	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-43	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-44	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-45	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-46	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-47	44605	90255	54	83	163	2	36	157	32	8	810	1825	4.2
16GA(1.5MM)X48"X 96"	1	1819	YU175320	385279928-48	44605	90255	54	83	163	2	36	157	32	8	810</td		

# THYSSENKRUPP MATERIALS NA

## DART AEROSPACE

STAINLESS STEEL SHEET 304-2B  
0.360" Nom X 48.0000" X 96.0000"  
PART NO.

PO/Rel 37171

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.



連錫鋼鐵股份有限公司  
YUEN CHANG STAINLESS STEEL CO.,

## 檢驗證明書 MILL TEST CERTIFICATE

列印日期 : 2015/04/27

客戶名稱 Customer	ThyssenKrupp Steel Services A Division Of ThyssenKrupp Materials Na Inc 22355 West Eleven Mile Road Southfield Mi 48303 USA										QC Manager	
	Description Of Goods And/Or Services Prime, Cold Rolled Stainless Steel Coil/Sheets, Slitted Edge, As Per ASTM A240/A480.											
商品描述 DESC. Of Goods	Grade 304, 2B Finish, Laser PVC On One Main Side, With Back Pass Grade 304, No.4 Finish, Laser PVC On One Main Side, With Back Pass Grade 304, 2B Finish, With Paper Interleaf											
	項目	Coil No.	DAS Heat-Number(s)	Steel Grade	鋼種	Emtish	表面	Thickness	Width x Length (INCH)	淨重 Net Weight (KGS)		
AE004	CCBE0004-15	5	AOA010-AAD	304	2B	2B	2B	20GA x 48 x 96	1,158	1,158		
AE005	CCBE0003-05	89	AOA010-AAD	304	2B	2B	2B	20GA x 48 x 96	189	189		
AE001	CCWR0007-22	0	AOA005-AAH	304	2B	2B	2B	16GA x 48 x 96	971	971		
AE006	CCWR0007-23	0	AOA005-AAH	304	2B	2B	2B	16GA x 48 x 96	934	934		
AE003	CCCS0396-29	0	ANJ033-AAF	304	NO.4	NO.4	NO.4	20GA x 48 x 120	418	418		
									1,411	1,411		
Chemical Composition / Chemical Analysis (%)												
Item	C	Si	Mn	P	S	Cr	Ni	Cu	Mo	Others	Mechanical Properties	
AE004	0.021	0.310	1.370	0.031	0.0014	18.240	8.050	0.074	0.270	0.100	T.S N/MM2	
AE005	0.021	0.310	1.370	0.031	0.0014	18.240	8.050	0.074	0.270	0.100	Y.S (0.2%) N/MM2	
AE001	0.021	0.310	1.370	0.031	0.0014	18.240	8.050	0.074	0.270	0.100	Elong (%)	
AE006	0.021	0.270	1.330	0.030	0.0053	18.290	8.020	0.077	0.310	0.150	HB	
AE003	0.018	0.340	1.390	0.031	0.0054	18.200	8.030	0.074	0.270	0.100	HRB	
											HV	

茲證明本廠所列產品，均依材料規格製造及試驗，並符合規格之要求。  
We hereby certify that the products described herein have been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification.  
本產品無害物污染，並且不含汞。The material described above is free from radiation contamination and mercury.  
本產品符合EN10204/Type 3.1標準。Inspection certificate in accordance with EN10204/Type 3.1.  
本表所列產品均符合ASTM A240規範要求。All the above products conform to the requirements specified in ASTM A240.  
WE HEREBY CERTIFYING THE MATERIAL TO ASTM A240/A480 AS PER EN 10204/3.  
THYSSENKRUPP MATERIALS NA PO PEC-263720. PEC-263821

ISO 9001

David Wang

DAVID WANG  
QC Manager

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511  
.50" X 5.00" X 144.0000"  
PART NO.

PO/Ref 37171

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

# Certificate of Mill Test Results

24Jul17  
BL PEC-056267-003  
Page 1/1

Signed by: \_\_\_\_\_

## Service Center Metals

5850 Quality Way  
Prince George, VA 23875

## CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



Can Do.

BILL TO

ThyssenKrupp Materials NA-Concord,ON

SHIP TO

ThyssenKrupp Materials NA-Concord,ON

Quantity Certified

2,328 lbs

66 pcs

MANIFEST NUMBER

CUSTOMER PO

CUSTOMER PART NUMBER

RB0101

DATE OF SHIPMENT

ALLOY-TEMPER

DESCRIPTION

6061-T6511  
SCRB 500x5.000

OUR ORDER NUMBER

CERTIFICATION

SPECIFICATION

ASTM-B221-14 StencilCont  
AMS-QQA-200/8 Rev-A

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6. This product is RoHS-2, REACH, and DFARS compliant.

### Mechanical Properties

Test

Lot No.

201709163  
5  
9-89  
DAS

Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
6/10/17	min 47.00 max 48.00	min 43.80 max 44.60	min 11.90 max 14.60

### Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others	Each	Total	Melt Source:
001J170602D	201709163	6061	0.73	0.35	0.30	0.09	0.87	0.09	0.05	0.03	97.49	0.05	0.15	United States of America	

SCM is ISO 9001-2015 certified

SCM products are melted and extruded in the USA

Print Date: 6/13/2017

Page 1 of 1

Line Item: 002  
 Laser Order Number: 6030639  
 Plant Serial: 00236028

ALMEE L. MECHOWSKY, Quality &amp; Technology Manager

Kaisers general terms and conditions of sale, Test reports are on file, subject to examination. Kaisers test report in Kaisers sales acknowledgement form. Any warranty is limited to that shown on description sheet forth in Kaisers sales acknowledgement form, specifying a part of the inspect and tested and found in conformance with applicable specifications forming part of this order placed under this order has been

## CERTIFICATION

OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL. MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY

MANUFACTURED IN USA MELTED IN USA

## Miscellaneous Notes

contributes to T6-not applicable to other tempers)

## Applicable Requirements:

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Zr	B1	Zr	Ea	Total
107012	.75	.29	.28	.10	.94	.09	.06	.02	.00	.00	.00	.01	.03
Minium	0.40	0.40	0.15	1.20	C.35	0.25	0.15	NA	NA	NA	0.00	0.00	0.15
Maxium	0.80	0.70	0.40	0.25	0.25	0.35	0.20	0.00	0.00	0.00	0.00	0.00	0.00

Chemical Composition (wt%), Aluminum Remainer

DAS REFERENCE	DASH#	SAMPLE#	UTS (ksi)	YTS (ksi)	ELONG%	HARDNESS	CONDCT.	BEND
5	200781015	0001	56.9	53.9	15.6	RE 93	N/A	N/A

## Actual Physical Properties

WEIGHT SHIPPED:	002	KAISER ORDER NUMBER: 05/09/2017	SHIP DATE: 200781015	KAISER LOT NUMBER: 6061	ALLOY: T6511	TEMPER: 12.000 FT	WEIGHT: 1143.000 LB	QUANTITY: 4,000 PCS	BL/NUMBER: 619063	W/WT: 12.000 FT	SHIP TO: 1143.000 LB	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB
KAISER ORDER NUMBER: LINE ITEM:	PEC-283330-2	PRODUCT DESCRIPTION: 4,500 SC SG BAR	CUSTOMER PART NUMBER: 328/STK	SHIP DATE: 05/09/2017	KAISER LOT NUMBER: 6061	ALLOY: T6511	KAISER ORDER NUMBER: LINE ITEM:	PEC-283330-2	PRODUCT DESCRIPTION: 4,500 SC SG BAR	CUSTOMER PART NUMBER: 328/STK	SHIP DATE: 05/09/2017	KAISER ORDER NUMBER: LINE ITEM:	PEC-283330-2
WEIGHT SHIPPED:	6030639	KAISER LOT NUMBER: 6061	ALLOY: T6511	TEMPER: 12.000 FT	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB
WEIGHT SHIPPED:	6030639	KAISER LOT NUMBER: 6061	ALLOY: T6511	TEMPER: 12.000 FT	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB
WEIGHT SHIPPED:	6030639	KAISER LOT NUMBER: 6061	ALLOY: T6511	TEMPER: 12.000 FT	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB	WEIGHT: 1143.000 LB

CERTIFIED TEST REPORT  
<http://Online.KaiserAluminum.com>

**KAISER ALUMINUM**  
**FABRICATED PRODUCTS**  
 5205 KAISER DRIVE  
 FABRICATED PRODUCTS, LLC  
 KALAMAZOO, MI 49048

**ALUMINUM ALLOY**  
**FABRICATED PRODUCTS**  
 5205 KAISER DRIVE  
 FABRICATED PRODUCTS, LLC  
 KALAMAZOO, MI 49048

**THYSSENKRUPP MATERIALS NA**  
**CERTIFICATE OF MILL TEST RESULTS**

Certificate of Mill Test Results  
 DRAFT AEROSPACE  
 ALUMINUM SQUARE BAR 6061-T651  
 450" X 48,000"  
 450" X 48,000"  
 450" X 48,000"

Signed by: \_\_\_\_\_  
 We certify that this is a true copy of the report  
 issued by the producer of the metal, or data  
 resulting from tests made in approved labs.  
 Pkg 1/1  
 BL PEC-05627-004 24Jul17

**THYSSENKRUPP MATERIALS NA**  
**DART AEROSPACE**  
 ALUMINUM ROUND BAR 6061-T6511  
 .562" DIA X 144.0000" PART NO.



ALUMINUM

**MILL TEST**

BILL TO	CERT CODE:	DATE NUMBER	DATE OF SHIPMENT	EXTRUDEX ORDER NO.	MANIFEST NO.
THYSSENKRUPP MATERIALS,NA	9	0.10	S 16303	183339 - 7	333130
SHIP TO	CUSTOMER PO	ALLOY	TEMPER		
THYSSENKRUPP MATERIALS,NA	PEC-2668674	6061	T6511		
SO DESCRIPTION	CUSTOMER PART NUMBER	PART DESCRIPTION			
.562" DIA	16303-S	.562" DIA			

**Mechanical Properties**

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Percent Hardness Rockwell E	Conductivity
A.11	6061	Aug/12/2015	42.80	40.00	17.80	89.4	89.7, 89.0

**Chemical Composition**

Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ca	Y	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
A.11 29268	0.55	0.209	0.201	0.053	0.84	0.061	0	0.01	0.012	0	0	0	0	0	0	0	0	0	0.007	

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

David Natale  
 Quality Control Manager

**1 - CUSTOMER COPY**

**TEL: (416)745-4444 FAX:(416)745-0925 1-800-668-7210**  
**4111 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4**  
<http://www.extrudex.com>

**EXTRUDEX**  
 ALUMINUM

4111 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4

<http://www.extrudex.com>

**EXTRUDEX ORDER NO.**

**183339 - 7**

**MANIFEST NO.**

**333130**

**MADE IN CANADA**

**CERTIFICATION**

**ASTM B22114 - AMS QQA 20018**

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M3045/66A  
 DATE: AUG 01 2017

PO / BATCH NO.: 0337171/M38175

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 96 SFT  
 QUANTITY INSPECTED: 96 SFT  
 QUANTITY REJECTED: &

THICKNESS ORDERED: .063  
 THICKNESS RECEIVED: .058  
 SHEET SIZE ORDERED: 4x8  
 SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/>	N
CORROSION	Y <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/>	N
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/>	N <i>ASTM A240</i>
CORRECT THICKNESS	Y <input checked="" type="checkbox"/>	N
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/>	N <i>HT# YU175175</i>
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/>	<i>M3045/66A</i>
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/>	<i>AISI 304/304L 2B</i>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

*testers located in the Quality Office*

QC 18 INSPECTION	DAS	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>      </u>	<u>5</u> <u>88</u>	SIGNED OFF BY: <u>      </u>
DATE: <u>AUG 01 2017</u>		DATE: <u>      </u>

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

D PURCHASE MATERIAL: AISI 304/316 SS SHEET  
 SPECIFICATION: MILL-S-5059 OR AMS 5513 (304)  
**5** OR ASMS 5524 (316)  
 OR ASME SA240 9-89

C FINISH:

DART M. NUMBER  
 IDENTIFIER  
 1P  
 UNPOLISHED No. 1  
 UNPOLISHED No. 2D  
 UNPOLISHED No. 2B  
 POLISHED No. 3  
 POLISHED No. 4  
 POLISHED No. 6  
 BUFFED No. 7  
 BUFFED No. 8  
 8P

C PART NUMBER:

M304S TT | GA. #  
 GA.

WHERE "TT" = GAUGE THICKNESS

WHERE "P" = FINISH IDENTIFIER

EG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA

EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GA4P

GAUGE THICKNESS REFERENCE:

GAUGE	NOM. THICK. (IN)	THICKNESS RANGE (IN)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0199 - 0.023
24	0.025	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.089275	0.084 - 0.098
12	0.109375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.182 - 0.194
6	0.2031	0.194 - 0.212
5	0.2188	0.201 - 0.228
4	0.2344	0.225 - 0.243
3	0.2500	0.238 - 0.262
2	0.2656	0.254 - 0.278
1	0.2813	0.269 - 0.293
0	0.3125	0.301 - 0.325

RELEASED

2015 FEB 04

EC 15-122 97

D	ADDED GAUGES 0-7.	AS	15.01.06
C	DEFINED FINISH OPTION (ZINC) AND EXAMPLE OF MATERIAL FINISH OTHER THAN 2B (ZINC)	MB	12.09.20
B	REFORMAT DWG. ADD ASTM/ASME SPEC'S (ZINC). ADD GAUGE REF (C8-1). REF PART 08-020A	CP	09.06.01
A	NEW ISSUE	DS	01.09.24
REV.	DESCRIPTION	BY	DATE
D	<b>DART AEROSPACE LTD</b>		
	HAWKESBURY, ONTARIO, CANADA		
DRAWN	AS		
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	<b>15.01.06</b>		
	<b>304/316 SS SHEET</b>		

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# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M30452094  
 DATE: AUG 01 2017

PO / BATCH NO.: PO37171/M138175

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 965sqft  
 QUANTITY INSPECTED: 965sqft  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .040  
 THICKNESS RECEIVED: .036  
 SHEET SIZE ORDERED: 4x8  
 SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	ASTM A240
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	HF# A04610 - A4D
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	30452094
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	304 2B
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

*testers located in the Quality Office*

QC 18 INSPECTION	DAS	ENGINEERING SIGNOFF (if required)
INSPECTED BY: _____	5 9-89	SIGNED OFF BY: _____
DATE: AUG 01 2017		DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNNEALED

SPECIFICATION: MIL-S-5059

DAS

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# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M606176B0.500X5,000  
 DATE: AUG 01 2017

PO / BATCH NO.: PO37171/M138175

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 121  
 QUANTITY INSPECTED: 121  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .500  
 THICKNESS RECEIVED: .500  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/>	N
CORROSION	Y <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/>	N
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/>	N <i>ASTm B201</i>
CORRECT THICKNESS	Y <input checked="" type="checkbox"/>	N
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/>	N <i>HT # 201709163</i>
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/>	<i>G06176B</i>
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/>	<i>6061 76511</i>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>	<u>5</u>	SIGNED OFF BY: _____
DATE: <u>AUG 01 2017</u>	<u>8-89</u>	DATE: _____

**Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in**

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION: QQA-A-225/8 (OR AMS-QQ-A-225/8 (OR AMS 4174/128/4115/4116)  
OR QQA-A-200/8 (OR AMS-QQ-A-200/8 (OR AMS 4160)  
OR ASTM B211 (OR ASTM B22)

**DAS**

**△**

PART NUMBER:

M6061T6B | T.TTT | X | WW.WWW |  
THICK | WIDTH |

**5**

**9-89**

WHERE "T.TTT" = THICKNESS IN INCHES

"WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.00

REVISION: **A**

DATE: **2009-05-05**

INITIALS: **WJD**

C

**RELEASED**  
2009-05-05  
*WJD*

B

B	REMOVE QQA-250111 OPTION, REFORMAT NOTES, ADD	CP	08.07.13
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN	DS	<b>DART AEROSPACE LTD</b>	
DRAWN	<i>AS</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>AJS</i>	REV. B	
MFG. APPR.	<i>AS</i>	SHEET 1 OF 1	
APPROVED	<i>AS</i>	SCALE	
DE-APPR.	<i>AS</i>	NTS	
DATE	<b>09.07.13</b>	COPYRIGHT © 2001 BY DART AEROSPACE LTD THE DOCUMENT CONTAINED HEREIN IS UNCLASSIFIED NOT TO BE USED FOR ANY PURPOSE OTHER THAN INTERNAL COMPANY USE OR CONTRACTUAL PURPOSES. THIS DRAWING IS THE PROPERTY OF DART AEROSPACE LTD. UNAUTHORIZED REPRODUCTION, FURTHER DISTRIBUTION	

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# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061+GR4,500X4,500  
 DATE: AUG 01 2017

PO / BATCH NO.: 0037171/M138175

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 4'  
 QUANTITY INSPECTED: 4'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 4.5  
 THICKNESS RECEIVED: 4.5  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
CORRECT FINISH	Y <u>N</u>	
CORROSION	Y <u>N</u>	
CORRECT GRAIN DIRECTION	Y <u>N</u>	
CORRECT MATERIAL PER M-DRAWING	Y <u>N</u>	<i>ASTm B221</i>
CORRECT THICKNESS	Y <u>N</u>	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT REF # TO LINK CERT	Y <u>N</u>	<i>HT # 20078</i>
CORRECT MATERIAL IDENTIFICATION	Y <u>N</u>	<i>6061+GR</i>
CORRECT M# ON THE MATERIAL	Y <u>N</u>	<i>6061+6511</i>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>5</u> <u>9-89</u>	SIGNED OFF BY: _____
DATE: <u>AUG 01 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION:

QQ-A-2258 OR AMS-QQA-2258 (OR AMS 41474/128/4115/4116)

OR QQ-A-2008 OR AMS-QQ-A-2008 (OR AMS 4160)

OR ASTM B211 OR ASTM B221

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# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MG6116TR0,563  
 DATE: AUG 01 2017

PO / BATCH NO.: PO37171/M138175

MATERIAL CERT REC'D: YES  
 QUANTITY RECEIVED: 24'  
 QUANTITY INSPECTED: 24'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .563  
 THICKNESS RECEIVED: .563  
 SHEET SIZE ORDERED: NA  
 SHEET SIZE RECEIVED: NA

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
CORRECT FINISH	<u>Y</u> N	
CORROSION	Y <u>N</u>	
CORRECT GRAIN DIRECTION	<u>Y</u> N	
CORRECT MATERIAL PER M-DRAWING	<u>Y</u> N	<i>ASm B221</i>
CORRECT THICKNESS	<u>Y</u> N	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT REF # TO LINK CERT	<u>Y</u> N	<i>H#183339</i>
CORRECT MATERIAL IDENTIFICATION	<u>Y</u> N	<i>MG6116TR</i>
CORRECT M# ON THE MATERIAL	<u>Y</u> N	<i>6061T6511</i>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

*testers located in the Quality Office*

QC 18 INSPECTION	DAS	5	9-89	ENGINEERING SIGNOFF (if required)
INSPECTED BY:				SIGNED OFF BY: _____
DATE:	<u>AUG 01 2017</u>			DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

